



PONTON - 4 FOREST HARVEST PLAN

FMU F26

Abstract

A report and map clearly documenting and showing the harvest area boundaries, roads and watercourse crossings for the compartment. A Forest Harvest Plan is valid for five years from the time of approval, unless issues deemed significant by Alberta arise.

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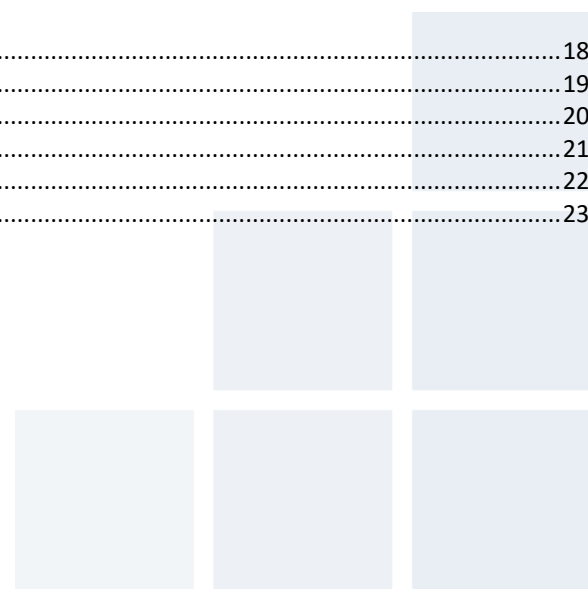
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INTRODUCTION

The Ponton-4 Forest Harvest Plan located within Forest Management Unit F26, has been prepared by Tolko Industries Ltd., Norbord Inc., and La Create Sawmills Ltd. (the Companies). Additional Information regarding the Companies and a copy of approved Forest Harvest Plans are located on the High Level Woodlands website (www.highlevelwoodlands.com). Forest Harvest Plans are submitted to Alberta Agriculture and Forestry (Alberta) by the Companies throughout the year. The purpose of a Forest Harvest Plan is to articulate in detail the laid out harvest, road, and watercourse crossings within a compartment.

The Ponton-4 compartment is comprised of conifer, mixedwood, and deciduous stand types. This Forest Harvest Plan addressed conifer, mixedwood, and deciduous cover types from the 2016 Spatial Harvest Sequence. The conifer landbase within the Spatial Harvest Sequence is predominantly white spruce leading stands. The terrain is level with elevated slopes along watercourses. Road design has accounted for terrain features and watercourse locations, and utilized existing linear disturbances where possible. There has been a number of large fires in Ponton-4, the most recent being in 2012.

This Forest Harvest Plan contains text, tables, maps (block and overview), and spatial data of harvest area boundaries, roads, and watercourse crossings. Reasonable efforts have been made to ensure the information presented in the various formats is consistent and correct. The Companies are requesting Alberta's Forest Harvest Plan approval utilize the spatial data submitted as per the Forest Harvest Plan/Annual Operating Plan/As-built Spatial Data Submissions Directive as the authoritative source for harvest area boundaries, roads, and watercourse crossings.

1 APPROVED BY ACCEPTANCE

A Forest Harvest Plan Checklist has been completed, and has been included in the submission to Alberta.

1.1 Registered Forest Practitioner Validation

This Forest Harvest Plan has been prepared and validated by a Registered Forest Practitioner.

1.2 Adds Less Than 20% of Area Sequenced

The additions in this Forest Harvest Plan include no more than 20% of the total Spatial Harvest Sequence area in each compartment in any decade by 16 yield strata used in the Forest Management Plan, as per the Forest Management Approval Decision dated June 15, 2018. Additional information regarding additions is located in Section 6 of this Forest Harvest Plan.

1.3 Does not Exceed 100% of Area Sequenced

The total area within the Forest Harvest Plan and Harvested does not exceed 100% of the Spatial Harvest Sequence.



1.4 Adheres to the Operating Ground Rules

This Forest Harvest Plan was prepared in accordance with the 2016 Forest Management Plan, the 2016 Spatial Harvest Sequence, and the Upper Hay Regional Timber Harvest Planning and Operating Ground Rules – June 12th, 2015 (Operating Ground Rules). The following identifies a summary of the requested deviations where the Operating Ground Rules could not be achieved, these deviations have been noted by block in

Appendix 9-1:

- Several blocks require temporary roads in excess of 5% due to small size of block, narrow and irregular shape and/or access required to other blocks.

2 COMPARTMENT ASSESSMENT

Alberta has not requested a Compartment Assessment be completed for the Ponton-4 Compartment.

3 MAPS

3.1 Block Maps

A Block Map has been created for each block, showing the required information as per Operating Ground Rule 3.4.5. Information not displayed at the block level will be included on the Overview Map, see Appendix 9-4.

3.2 Forest Harvest Plan Overview Map

A Forest Harvest Plan Overview Map has been created for the compartment, see Appendix 9-5.

4 BLOCKS

A summary of the blocks within the Forest Harvest Plan are located in Appendix 9-1 and induces block comments.

4.1 Field Verification

Field layout of the proposed blocks, and roads took place over the summer and fall of 2017. Forest health, timber quality, sensitive areas, operability, as well as the presence and field classification of creeks within and adjacent to blocks was assessed. Tolko Industries has implemented ribbonless



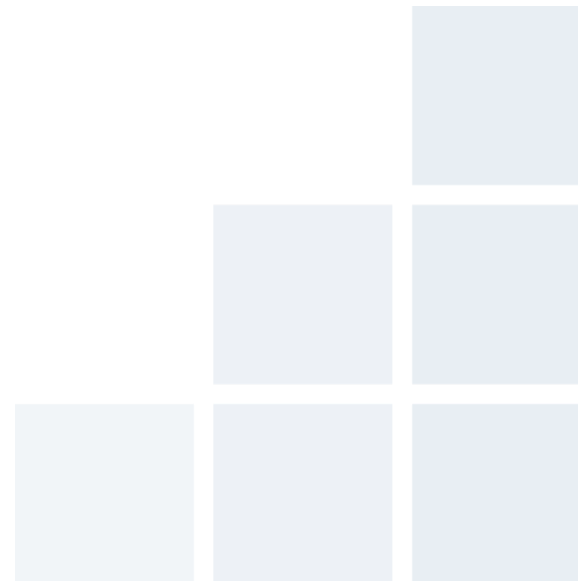


layout while Norbord Inc. has a standard of full ribboned layout on all blocks, retention patches, creeks and buffers. Deciduous blocks were laid out by Tolko and are all ribbonless.

4.2 Understory

Understory protection will be practiced within the conifer landbase and understory avoidance will be practiced within the deciduous landbase as per the Operating Ground Rules.

During field verification, there were no stands identified requiring understory protection. A minimum of 50% of acceptable trees in the understory will be retained without harvest damage should understory be noted during harvest operations. The Area Supervisors and Logging Contractors will evaluate the understory to minimize damage. Acceptable stems will be determined as per the Operating Ground Rules. In addition, the Companies are requesting balsam fir not be considered an acceptable species due to the species inability to survive once a stand is opened up.





4.3 Structure Retention

A minimum of 3% of the standing merchantable coniferous and deciduous volume retained will be representative of pre-harvested stands. Retention will be calculated from single stems, clumps, islands, standing trees along in-block creeks. In addition to merchantable volume, non-merchantable areas within harvested blocks will be retained for further structure.

Structural retention should be representative of the block and contain both merchantable and non-merchantable trees. Retention strategies should target unique block areas such as:

- Areas of understory conifer and advanced regeneration
- Standing larch, black spruce, poor form pine and shrubs
- Wet areas, especially those with surface water and pools, or near ephemeral or intermittent watercourses
- Standing snags with no safety concerns
- Large diameter trees of high wildlife value and poor timber value
- Previous blowdown areas containing dead and damaged timber, or areas susceptible to blowdown
- Bear and animal dens, which should leave at least ½ an overstorey tree length retention radius
- Distance to wildlife hiding cover can be reduced (i.e. large blocks)
- Sensitive to disturbance, such as steep slope areas, or problematic soil features
- Identified non-timber values (i.e. trapper cabins, historical resources, aesthetic values)

The minimum retention patch size is 0.5 ha, as areas this size and larger are more easily mapped, provide better thermal cover and protection value to wildlife, and are more wind-firm. When scattered individual trees are used to meet retention objectives they should be merchantable (e.g. meet the conifer and deciduous utilization parameters).

4.4 Soil Protection Measures

Blocks and road design within sensitive areas have mitigated the potential environmental impact from harvest and silviculture activities through the following methods:

- operations will occur under frozen conditions,
- planned areas with primary consideration to terrain features, such as avoidance of slumping/seepages, minimizing cut/fill in road design, and minimize long term disturbance by reducing multiple entries,
- buffer applied to watercourses and sensitive areas as per the Operating Ground Rules,
- designed roads to avoid sensitive areas and minimize disturbance and watercourse crossings,
- designed blocks using most current technology and planning tools, such as Lidar, 3-D imagery, current photo imagery, and



- field verification of roads.

The blocks and roads within this Forest Harvest Plan do not overlap within known areas of permafrost, as per the government data set. Should permafrost be identified during operations the Operating Ground Rules will be followed, specifically 9.11 and 9.12.

4.5 Forest Health

The Ponton-4 compartment has not historically been infested by Spruce Budworm (SBW) and there is no record of infestation in both the 2003 or 2010 SBW surveys in this area. However, there are known occurrences to the east of the compartment. No other significant disease or insect infestations have been identified at this time. Harvesting operations within the Ponton-4 compartment has not targeted forested stands that may have been damaged by this forest pest. Therefore, coniferous areas that are harvested may or may not contain white spruce with historical damage from these infestations. If directed by Alberta, the Companies will adjust the harvest strategy to access any recently damaged stands. The Companies will continue to monitor for forest pests and adjust future plans if required.

The Preferred Forest Management Strategy Plan identified the stands within Forest Management Unit to be on the over mature and in decline, as the age class distribution is near the maximum. The Spatial Harvest Sequence has been modeled to minimize loss of timber within stands.

4.6 Debris Management

There are no blocks which fall within the 10 kilometer community zone. Debris disposal will be in accordance with the Operating Ground Rules.

4.7 Non-Industrial Dispositions

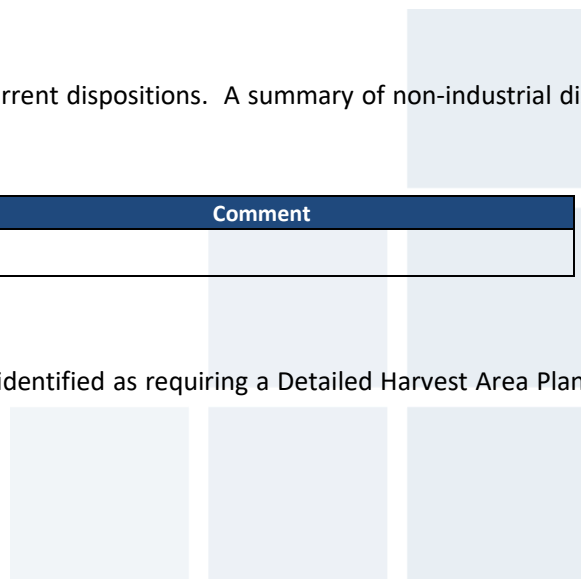
The Land Status Automated System and DID's was reviewed for current dispositions. A summary of non-industrial dispositions within the extent of the harvest areas are identified in [Table 1](#).

Table 1: Other Dispositions Summary

Number	Holder	Blocks within Disposition	Comment

4.8 Detailed Harvest Area Plans

. There are blocks within this Forest Harvest Plan that have been identified as requiring a Detailed Harvest Area Plan map. In general the following triggers the submission of a Detailed Harvest Area Plan Map:





- Operating Ground Rule Variance
- Steep terrain
- Block size
- Complex or substantial surface drainage patterns within or adjacent to the block
- Smaller map scale to show block details
- Blocks requiring additional clarification of block design

These blocks have been identified in [Appendix 9-1](#) and have been included in [Appendix 9-4](#).

4.9 Water Table

The Companies are committed to maintaining the productive landbase to support the growth of future forests, as per 7.2.4 of the Operating Ground Rules. The following measures are taken to manage reforestation success:

- During block design remove non-merchantable areas of the Spatial Harvest Sequence.
- During layout indicator species are noted that suggest the possibility of a high amount of available soil moisture. Areas supporting indicator species are noted and may be excluded from the block boundary or incorporated into the silviculture plan (site preparation or planting techniques).
- Upon availability, utilize the Wet Areas Mapping during block design and layout.
- Committed to the Reforestation Monitoring Program, as outlined in the 2016 Forest Management Plan. This includes the review of regeneration results of not-satisfactory restocked plots in areas larger than 4ha.

4.10 Beaver Activity

Extensive beaver activity is prevalent across the entire compartment. Many watercourses identified in the Government of Alberta Provincial base stream layer are no longer present. Furthermore, extensive networks of flooded lands across linear watercourse features have severely impacted the surface water flow. The Companies have identified beaver flooded lands as High Water Marks and have applied a 5m No Machine Zone buffer and a 30m Lesser Vegetation and Soil Protection buffer. Where identified in the field or through desktop review, an outflow channel has been marked. If the outflow was identified from a desktop review it is labelled as a predicted watercourse; no flagging exists on the ground.



5 TEMPORARY CLASS IV ROADS

Roads will be constructed, maintained and reclaimed in a timely manner to minimize environmental impacts as per the Operating Ground Rules, specifically section 11.0 Roads.

Access to the compartment is east of High Level on highway 58 through Ponton 6. There are numerous other primary industrial users (Oil and Gas/Forestry) active within the Forest Harvest Plan, and existing high grade industrial access within the compartment and has been utilized where possible.

All proposed inter-block roads within this Forest Harvest Plan will be submitted to Alberta as a spatial data set as per the Forest Harvest Plan/Annual Operating Plan/As-Built Spatial Digital Data Submission Directive and have been listed in the Road Summary in [Appendix 9-2](#).

5.1 Road Classification

There are no new Class I, II or III Roads proposed within this Forest Harvest Plan. All proposed roads will be built to the Class IV requirements as per the Operating Ground Rules Table 3.

5.2 Road Planning and Design

The integration of linear disturbances (constructed or proposed Class I, II or III Roads, seismic lines, trails, reclaimed roads) have been utilized when operationally feasible. Where possible the goal for road design within this Forest Harvest Plan was to:

- Comply with the Operating Ground Rules, specifically section 11,
- Utilize existing linear disturbances,
- Minimize overall area of disturbance,
- Minimize the number of watercourse crossings,
- Minimize haul distance, and
- Maximize the number of blocks accessed per road.

5.2.1 Protection of Roadside Vegetation

Roadside vegetation is a combination of non-merchantable trees, shrubs, forbs, and grasses located adjacent to a Class I, II and III Road. During operations this vegetation will be maintained by working around the vegetation and removing the merchantable timber, where possible. When a Class I, II or III Road is utilized for the decking of harvested timber to utilize an existing disturbance and reduce the road disturbance for the harvested area, roadside vegetation will be difficult to protect.



5.2.2 *Minimizing Line of Sight*

During the development of the Forest Harvest Plan each harvest area adjacent to a Class I, II or III road was reviewed. If the line of sight exceeded 400m the harvest area was further reviewed to determine if the presence of roadside vegetation, watercourses or topography would reduce the line of sight. If the line of sight could not be impeded through natural features, tree retention patches were designed. There are no blocks adjacent to permanent Class I, II, or III roads, where the line of sight exceeds 400m.

5.3 *Road Construction*

Road construction will comply with the Operating Ground Rules, specifically section 11.3.1 and 11.3.2, unless approval for a deviation has been obtained.

5.4 *Road Maintenance (Erosion Control/Prevention)*

Constructed roads will be maintained as necessary for timber hauling operations, and will comply with the Operating Ground Rules, specifically section 11.3.3, unless approval for a deviation has been obtained.

5.5 *Road Reclamation*

Road reclamation will comply with the Operating Ground Rules, specifically section 11.3.4, unless approval for a deviation has been obtained.

5.5.1 *Seasonal Reclamation*

Roads required for more than one season will be reclaimed as per the Operating Ground Rules, specifically 11.3.4.5, unless otherwise approved in the Annual Operating Plan.

5.5.2 *Partial Reclamation*

Roads required for more than one timber year will be reclaimed as per the Operating Ground Rules, specifically 11.3.4.6, unless otherwise approved in the Annual Operating Plan.

5.5.3 *Total Reclamation*

Roads and associated bared areas that are not required will be permanently reclaimed as per the Operating Ground Rules, specifically 11.3.4.7, unless otherwise approved in the Annual Operating Plan.

The Annual Operating Plan will identify and request roads that require All-terrain vehicle access for silviculture purposes, to maintain historical access for a Registered Fur Management holder, or for other users. Rollback will be completed on approaches to all watercourses.



5.6 Watercourse Crossings

The Forest Harvest Plan utilized Lidar to identify watercourses and to avoid watercourse crossings. Currently, the Wet Areas Mapping is available within the Forest Management Unit, this information was incorporated into the Forest Harvest Plan.

Watercourse classification has been assessed and determined during field verification as per Table 2 of the Operating Ground Rules. Deviations have been noted in

[Appendix 9-1](#).

During operations if an unidentified watercourse is encountered Alberta will be notified with a minor amendment or a major amendment approval will be obtained. The watercourse location, construction and reclamation activities will be completed as per the Operating Ground Rules, specifically section 11.4.

All proposed watercourse crossings within this Forest Harvest Plan will be submitted to Alberta as a spatial data set as per the Forest Harvest Plan/Annual Operating Plan/As-Built Spatial Digital Data Submission Directive.

5.6.1 Watercourse Monitoring Program

The watercourse monitoring program as described in the Companies' General Development Plan is observed for all constructed watercourse crossings.

5.7 Access Control

Operations will be during winter months only and use primarily winter access routes. Log haul operations are scheduled to coincide with timber harvest operations. In order to limit public access into the cutblock road system, all new access will be blocked during extended periods of inactivity. Any required access control measures will be addressed in the Annual Operating Plan.

5.8 Camps and Facilities Ponton 4

There are no proposed logging camp locations within Ponton 4, this area is being harvested in conjunction with Ponton 6. Camp locations will be part of the Ponton 6 FHP.

5.9 Agreements

A Land Status Automated System (LSAS) search has been completed on the areas contained within the Forest Harvest Plan, and will be reviewed annually for potential changes. The appropriate agreements will be obtained from a disposition holder and practices required by a disposition holder will be implemented as per agreement.



5.9.1 Road Use Agreements

A current Road Use Agreement will be obtained prior to using a road under disposition.

5.9.2 Pipeline Crossing Agreements

Pipeline Crossing Agreements are required prior to crossing any pipeline. There are pipeline crossings required and proximity agreements identified to access or operate the blocks included in this Forest Harvest Plan.

5.9.3 Powerline Crossing Agreements

A Powerline Crossing Agreement is required prior to crossing a pipeline. There are powerline crossings required to access the blocks included in this Forest Harvest Plan.

5.9.4 Highway Approaches

Highway approaches are required within this Forest Harvest Plan. Where a temporary road approaches an Alberta highway approval will be required from Alberta, specifically Alberta Transportation.

5.10 Special Access Zone

There is no Special Access Zones located within this Forest Harvest Plan as per the Alberta data set.

5.11 Processing Yard

The proposed road plan accommodates a cut to length haul directly to the target mill to allow for hauling flexibility should the blocks be harvested over multiple years or by multiple contractors. The Companies will make reasonable efforts to minimize road disturbance and open up access where required.

6 SPATIAL HARVEST SEQUENCE

The Companies will track and report the variance according to the methodology described in the Alberta Government Forest Management Planning Standard Interpretive Bulletin: Stewardship Reporting Requirements, as per The Forest Management Approval Decision dated June 15, 2018. The thresholds for acceptable Spatial Harvest Sequence variance is as follows:

- Spatial Harvest Sequence variance (Additions %) shall be less than 20% of the operator's harvest area by compartment per decade,
- Area of substantial additions shall not exceed the sum of area in substantial deletions and deferrals, and



- Total area harvested shall be less than the area in the 10-year Spatial Harvest Sequence of the approved Forest Management Plan.

6.1 Variance Summary

A variance summary has been completed to track variance from the 2016 Spatial Harvest Sequence as well as total area harvested in order to:

- ensure a sustainable harvest level and future forest objectives are maintained through operations adhering to the Spatial Harvest Sequence,
- improve information for the next Spatial Harvest Sequence (e.g. landbase, yields), and
- make decisions around Forest Harvest Plan acceptance.

The Variance Overview Map shows the comparison of the Spatial Harvest Sequence to the laid out Forest Harvest Plan highlighting variance and additions. The Spatial Harvest Sequence Summary in [Table 1](#) shows a tabular representation of the variance and additions for the compartment.

6.2 Unplanned

Unplanned Spatial Harvest sequence occurs within the compartment for stands yet to be designed and field verified, or stands containing a high volume of deciduous have been left as unplanned where isolation is not a concern. Once stands have been designed and field verification has been completed or purchase opportunities can be made for deciduous volume the Companies anticipate submitting additional Forest Harvest Plans.

6.3 Additions

The additions in this Forest Harvest Plan include no more than 20% of the total Spatial Harvest Sequence area in each compartment in any decade by 16 yield strata used in the Forest Management Plan, as per the Forest Management Approval Decision dated June 15, 2018.

The area of substantial additions does not exceed the sum of area in substantial deletions and deferrals. The total area harvested is less than the area in the 10-year Spatial Harvest Sequence of the approved 2016 Forest Management Plan. Additions were made to operationalize a harvest area/road plan and have considered:

- protection of watershed and riparian values,
- maintenance of effective habitat for species of special concern,
- meet visual quality objectives,
- efficient forest management operations are feasible,
- endangerment threat, and
- minimize long term road disturbance / number of entries into key wildlife areas and sensitive slope areas.

As per OGR 4.1.4 stands not part of the contributing landbase that are found to be productive have been considered for addition.



Table 2: Spatial Harvest Sequence Summary

Compartment	Harvest Profile	As-Built															Combined As-Built & Planned														
		Harvested (ha)							Variance			SHS Assessment					Variance			SHS Assessment											
		Provincial Yield Strata	Approved DFA 10 Year SHS	SHS 1-10yr	SHS 11-20yr	SHS 21-70yr	Active Landbase	Non-Contributing Landbase	Total	Additions	Deletions	Deferrals	Slivers (Planned + Harvested)	(Excluding Slivers)	Planned for Harvest (ha)	Substantial	(Excluding Slivers)														
P o n t o n 4	All	340	0	0	0	0	0	0	0	0	0	24	22	46	0%	-	(340)	76	4	0	2	0	81	5	65	178	2%	(237)	(259)		
	CD-AB	41	0	0	0	0	0	0	0	0	0	1	5	6	0%	-	(41)	21	0	0	0	0	21	0	0	15	0%	(15)	(20)		
	CD-CD	19	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	(19)	0	0	0	0	0	0	0	0	19	0%	(19)	(19)		
	C-P-AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	-	0	0	0	0	0	0	0	0	0	0	0	-	-	
	C-P-CD	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	-	0	0	0	0	0	0	0	0	0	0	0	-	-	
	C-SB	2	0	0	0	0	0	0	0	0	0	3	1	4	0%	-	(2)	1	0	0	0	0	1	0	0	0	0	0	0	-	(1)
	C-SW-AB-F	118	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	(118)	0	0	0	0	0	0	0	13	105	0%	(118)	(118)		
	C-SW-AB-MG	151	0	0	0	0	0	0	0	0	0	2	14	15	0%	-	(151)	47	3	0	0	0	50	3	52	39	2%	(87)	(100)		
	C-SW-CD-F	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	-	0	0	0	0	0	0	0	0	0	0	0	-	-	
	C-SW-CD-MG	0	0	0	0	0	0	0	0	0	0	3	0	3	0%	-	(0)	0	0	0	0	0	0	0	0	0	0	0	0	-	-
	D(u)-AB	0	0	0	0	0	0	0	0	0	0	11	0	11	0%	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	D(u)-CD	0	0	0	0	0	0	0	0	0	0	1	0	1	0%	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	D-AB-G	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	-	0	0	0	0	0	0	0	0	0	0	0	0	-	-
	D-AB-MF	0	0	0	0	0	0	0	0	0	0	1	0	1	0%	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DC	9	0	0	0	0	0	0	0	0	0	1	2	3	0%	-	(9)	7	0	0	1	0	8	1	0	0	0	10%	1	(1)	
	D-CD-G	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	-	0	0	0	0	0	0	0	0	0	0	0	0	-	-
	D-CD-MF	0	0	0	0	0	0	0	0	0	0	2	0	2	0%	-	-	0	0	0	0	0	0	0	0	0	0	0	0	-	-
	(blank)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	-	-	0	0	0	0	0	0	0	0	0	0	2%	0	0	



6.4 Deletions and Deferrals

This Forest Harvest Plan does not delete or defer more than 20% of the area sequenced in the Spatial Harvest Sequence by compartment per decade. A summary of deletions and deferrals is listed below in Table 3.

Table 3

Deferral Reason	Sum of AREA	Deletion Reason	Sum of AREA
sliver	14	sliver	8
Harvest with adjacen	106	non_forest	65
AVI Mistype	72	Grand Total	73
Grand Total	192		

7 INTEGRATION WITH OTHER USERS

The Companies consider the needs of other forest users when planning and conducting operations. The Companies strive to notify known other users during the planning phase and prior to operations when required. Annually the Companies hold an Open House to provide an opportunity for the general public to gain information of the Companies plan development and harvest/haul activities. The following summarizes the method and timing of communication with other resource users within the Ponton-4 compartment.

7.1.1 Deciduous and Coniferous Integration

The deciduous and coniferous cut periods 1 and 2 Spatial Harvest Sequence was used in the development of the Forest Harvest Plan. It is the intent of the Companies to ensure the planning, harvesting, and reforestation activities are carried out efficiently and with a minimal environmental impact. The integration of activities is necessary to:

- Reduce the amount of time roads are open,
- Reduce disturbance of wildlife, and
- Enable prompt reforestation.

Deciduous stands and deciduous leading mixedwood stands have been planned in the Forest Harvest Plan where the stand can be harvested in the future, while minimizing timber isolation and reduce the need to reopen reclaimed roads. An estimated deciduous incidental production from the Forest Harvest Plan planned blocks is identified in the block summary table.

The Annual Operating Plan will address the utilization of incidental deciduous volume within blocks scheduled for harvest. It is the intention of the Companies to make reasonable efforts to sell and purchase harvested incidental wood at prevailing market prices, and provide suitable quality. Incidental wood harvested in road construction is to be utilized, unless approved by Alberta. The Companies will approach Alberta for approval, should an operator be unable to accept all or a portion of incidental volume generated during a timber year.

Forest operators with a timber disposition in the area covered by the Forest Harvest Plan will be provided a copy of the Forest Harvest Plan for review. There are no other forest operators within Forest Management Unit Ponton-4.

7.1.2 Forest Recreation and Tourism

There are no known recreation sites (i.e. trail or road systems) or tourism the Companies are aware of within the Ponton-4 compartment.



7.1.3 Trapping

Holders of a Registered Fur Management Areas were contacted during the development of the Forest Harvest Plan. Communication has been summarized in Table 3. A copy of the Forest Harvest Plan has been mailed to each Registered Fur Management Area holder.

Table 3: Registered Fur Management Areas

RFMA	Senior Partner	Questions/Concerns/Comments
252	Calvin Bulldog	Preliminary notification mailed out April 2018 Forest Harvest Plan mailed out July 2018
1371	Lindy Lambert	Preliminary notification mailed out April 2018 Forest Harvest Plan mailed out July 2018

7.1.4 Range Management

There are no grazing dispositions within the Ponton-4 compartment. When a Grazing Timber Agreement is required the disposition holder will be contacted during the development of the Forest Harvest Plan.

7.1.5 Forest Aesthetics

The Companies will use tactics to reduce the impacts of timber harvest and reforestation on visual quality areas. There are no known areas considered highly sensitive within the Ponton-4 compartment that:

- are within, adjacent to or viewed from recreational sites and tourist developments,
- seen from elevated viewpoints,
- adjacent to or viewed from major travel corridors (roads, lakes, and rivers), rural/urban forest interface and site-specific areas identified during the referral and public review process; or
- adjacent to primary and secondary highways in Alberta.

7.1.6 Historical Resources

The Companies have developed and implemented a process for identifying and protecting resources that are regulated by the Historical Resources Act that meets the requirements of Alberta Culture and Tourism. Historical resource screening has been completed for the Forest Harvest Plan and there are no historical sites requiring a buffer as determined by an archeologist and approved by Alberta Culture and Tourism.

If a previously unknown historical resource is discovered during road building, harvesting or silviculture operations, operations will cease and the Alberta Culture and Tourism will be notified.

7.1.7 First Nations and Metis

Consultation is completed annually with First Nations and Metis through the General Development Plan.

8 SPECIES OF SPECIAL MANAGEMENT CONCERN

8.1 Woodland Caribou

All openings within the Ponton 4 compartment are overlapping with the Caribou Protection Area (CPA). The complete list of blocks can be found in Appendix 9-1. The cut in Ponton 4 is being done in conjunction with the cut in Ponton 6.



The companies are aware that the Provincial Woodland Caribou Range Plan is in draft form, and until a final range plan is completed, the Companies will follow all existing Forest Management Plan and Operating Ground Rules.

The companies specific strategies to mitigate and address Operating Ground Rules pertaining to Caribou Protection Areas will be submitted as part of the Annual Operating Plan’s “Species of Special Management Concern” section.

8.2 Grizzly Bear

There is no Grizzly Bear Zone located within this Forest Harvest Plan as per the Alberta data set.

8.3 Trumpeter Swan

There are no Trumpeter Swan waterbodies located within the Forest Harvest Plan as per the Alberta data set.

8.4 Key Wildlife and Biodiversity Zones

There are no openings overlapping with the Key Wildlife and Biodiversity Zone (KWBZ) within the Ponton 4 Compartment.

8.5 Arctic Grayling

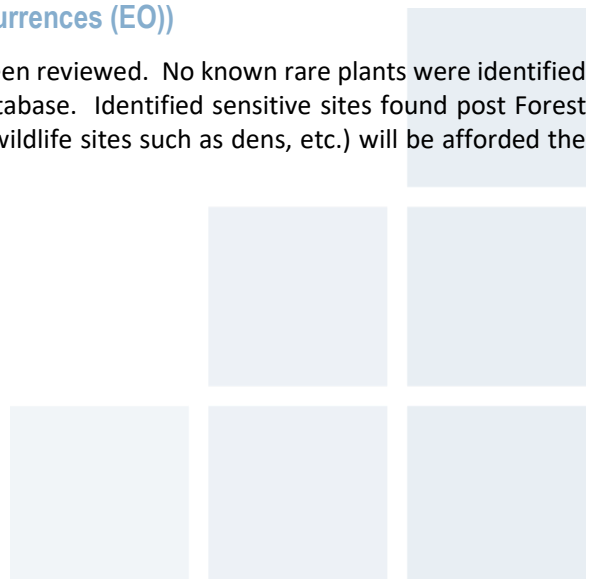
Locations of existing arctic grayling was referenced from the Fisheries and Wildlife Management Information System using the Fish and Wildlife Internet Mapping Tool. Species Summary Reports have been generated for the proposed Forest Harvest Plan blocks and roads. No known sites of arctic grayling were identified from the Species Summary Reports.

8.6 Other Species

There were no sensitive sites (i.e. raptor nest, mineral lick) identified during field verification of this Forest Harvest Plan. Any sensitive sites identified post Forest Harvest Plan submission will be buffered as required by the Operating Ground Rules. The Fisheries and Wildlife Management Information System was also referenced to assess other species; no known species were identified.

8.7 Highly Sensitive Areas (Elements of Biodiversity Occurrences (EO))

The Alberta Conservation Information Management System has been reviewed. No known rare plants were identified in the Alberta Conservation Information Management System database. Identified sensitive sites found post Forest Harvest Plan submission (i.e. cultural and historic sites, sensitive wildlife sites such as dens, etc.) will be afforded the appropriate protection

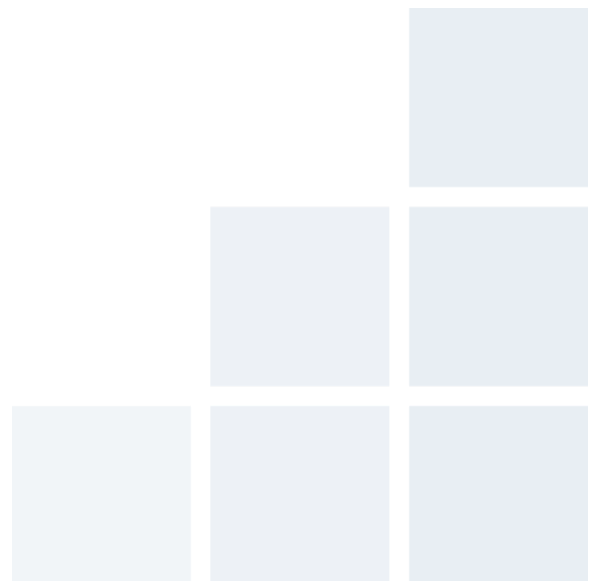




9 APPENDIXES

Appendix 9-1: Block Summary

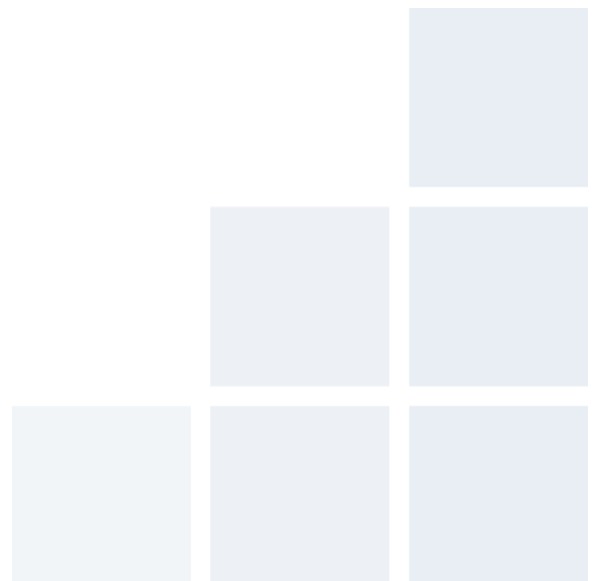
See attached PDFs





Appendix 9-2: Road Summary

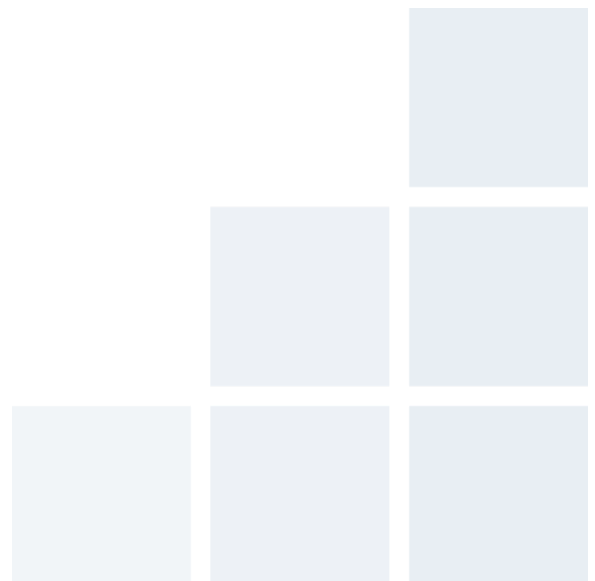
See attached PDFs





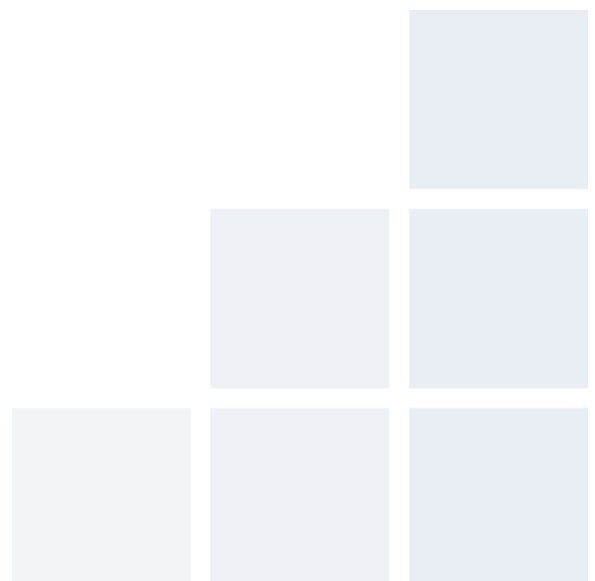
Appendix 9-3: Watercourse Crossing Summary

See attached PDFs



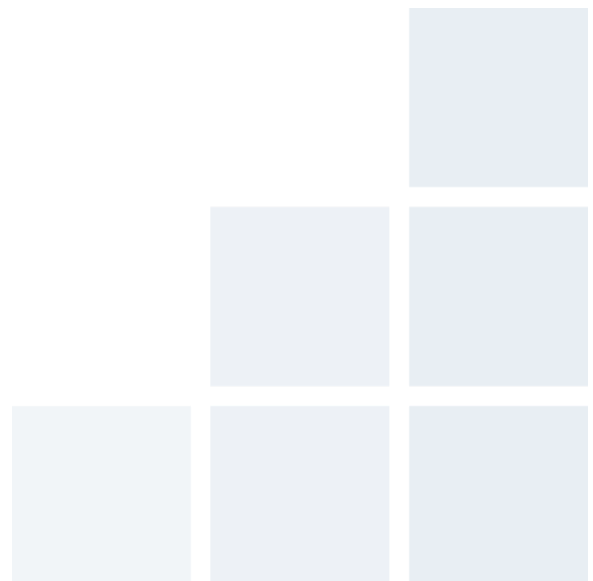


Appendix 9-4: Block Maps
See attached PDFs





Appendix 9-5: Final Harvest Plan Overview Map
See attached PDF





Appendix 9-6: Final Harvest Plan Approval(s)

